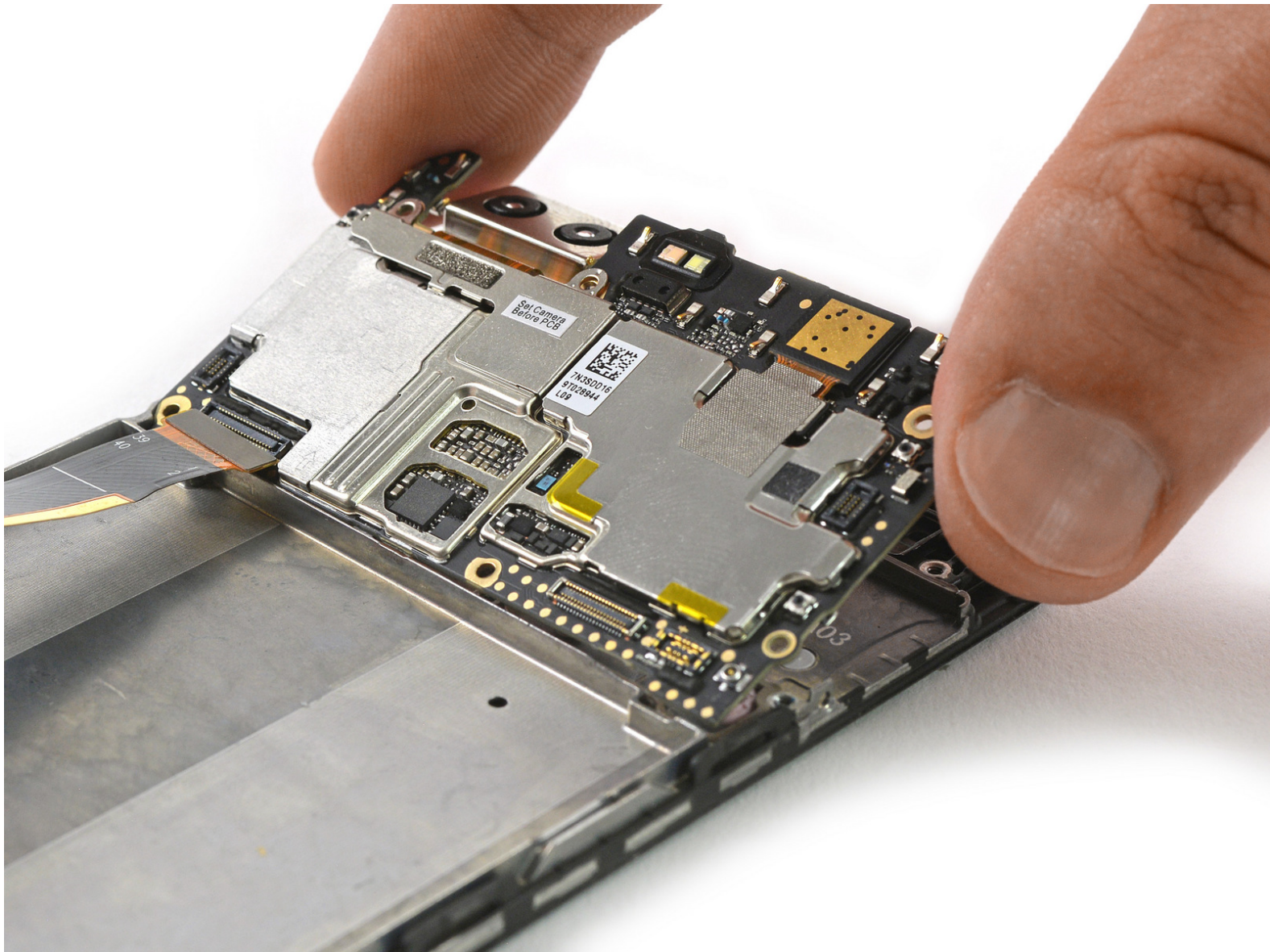




# Huawei P9 Plus Display with Frame Replacement

This guide describes the removal and replacement of the complete display with the frame of a Huawei P9 Plus.

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## INTRODUCTION

Use this guide to remove and replace the complete display with the frame of a Huawei P9 Plus.



### TOOLS:

- [Tweezers](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Spudger](#) (1)
- [iSclack](#) (1)



### PARTS:

- [Huawei P9 Plus LCD Screen and Digitizer Assembly](#) (1)
  - [Tesa 61395 Tape](#) (1)
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## Step 1 — Rear Case



- First switch off your phone.
- Remove the SD and SIM card tray.
- Remove the two Pentalobe P2 screws located at the bottom next to the USB C port.

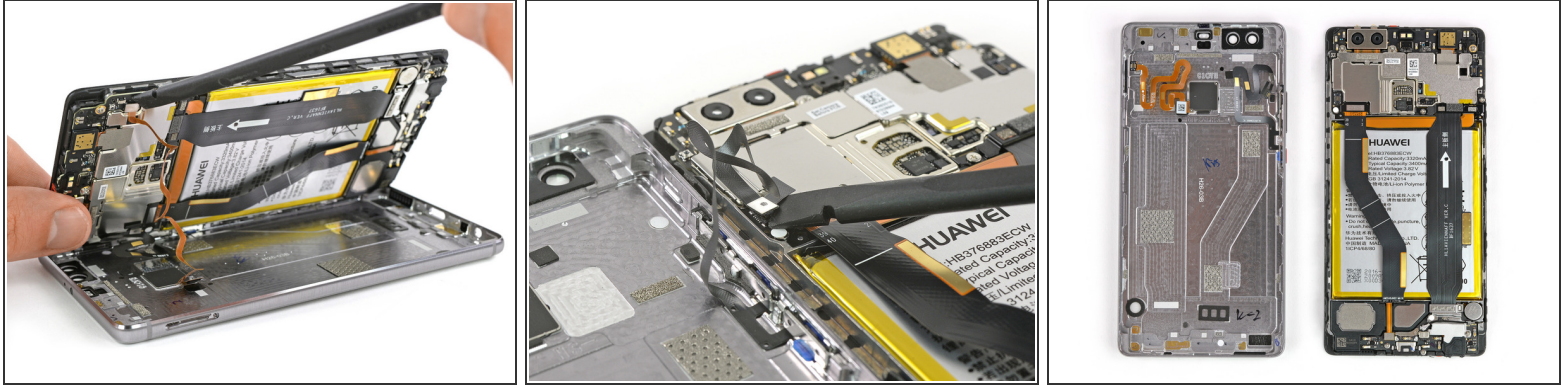
## Step 2



- Use a spudger, to initially lift one side of the display through the headphone jack.
- Then take an iSclack or a suction handle to separate the display unit from the rear case.

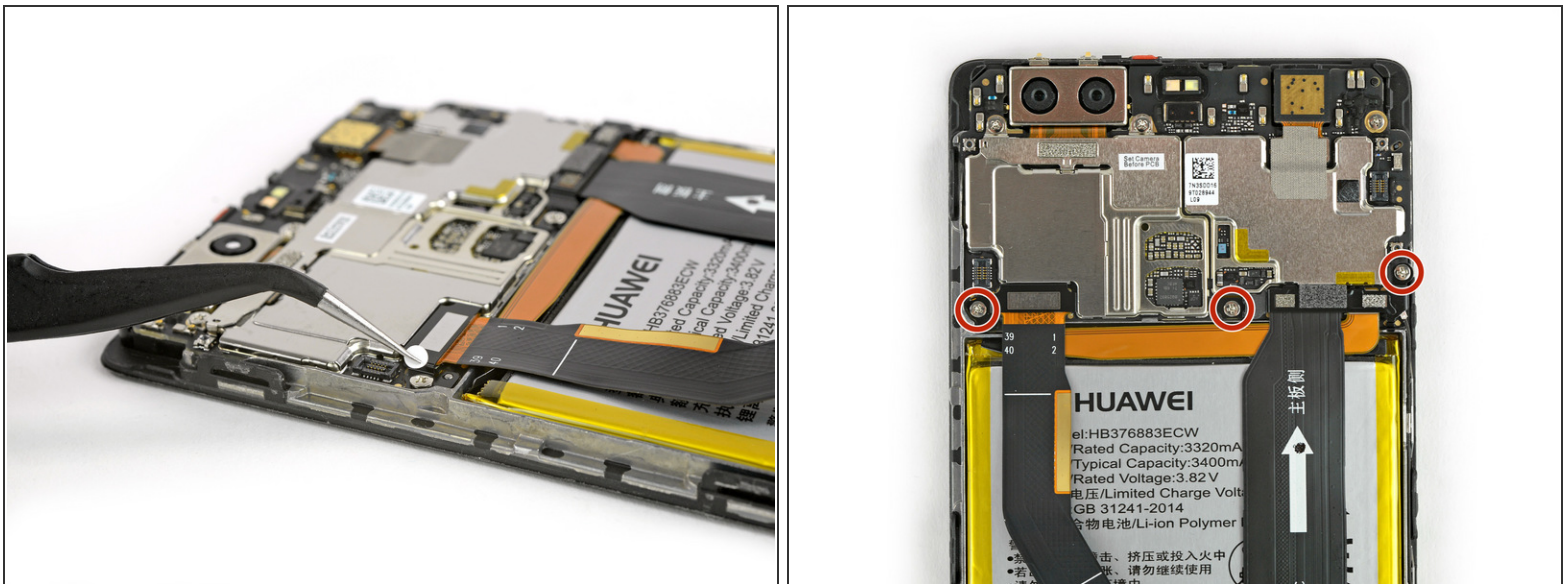


## Step 3



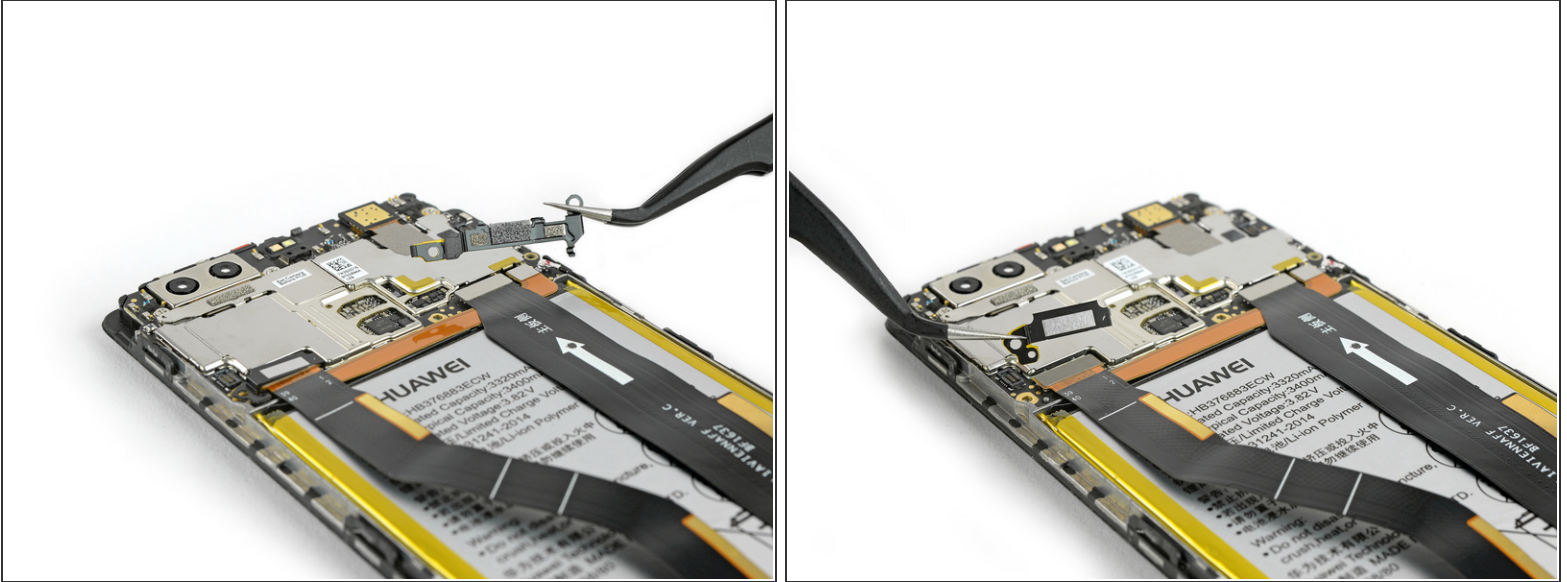
- After separating the rear case flip the other half open to get to the flex connectors.
- With a spudger unplug the flex connector of the fingerprint sensor and the one of the side buttons.
- Remove the rear case.

## Step 4 — Battery



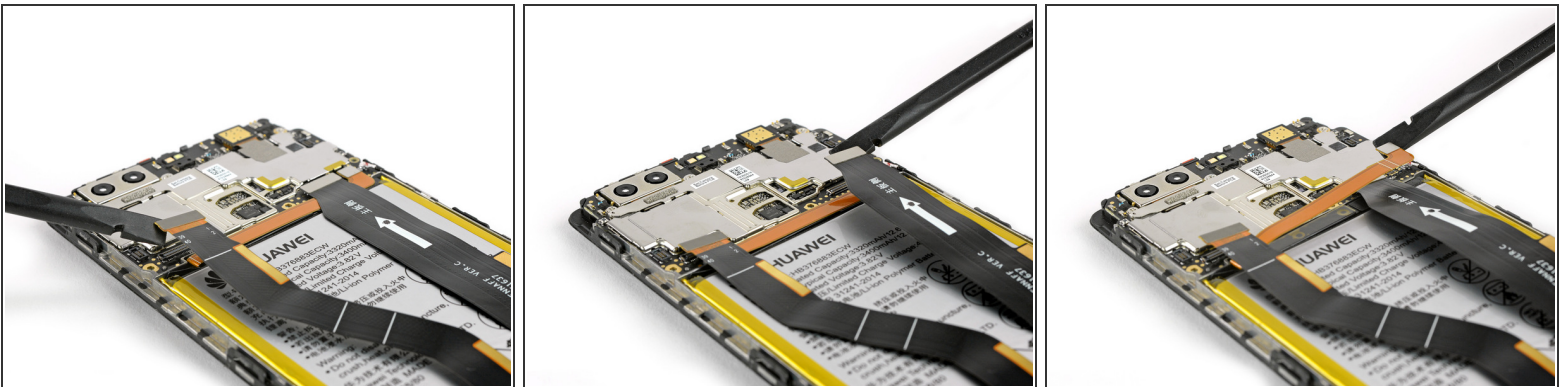
- Remove the liquid contact indicator that sits on top of the left screw above the battery.
- Remove the three Phillips #000 screws that hold the metal plates in place.

## Step 5



- Both metal plates have little hooks. Use a tweezer to free them and unhinge the plates by carefully moving them upwards.

## Step 6



- Use a spudger to unplug the screen flex cable.
- Unplug the motherboard flex cable and the battery flex cable afterwards.



## Step 7



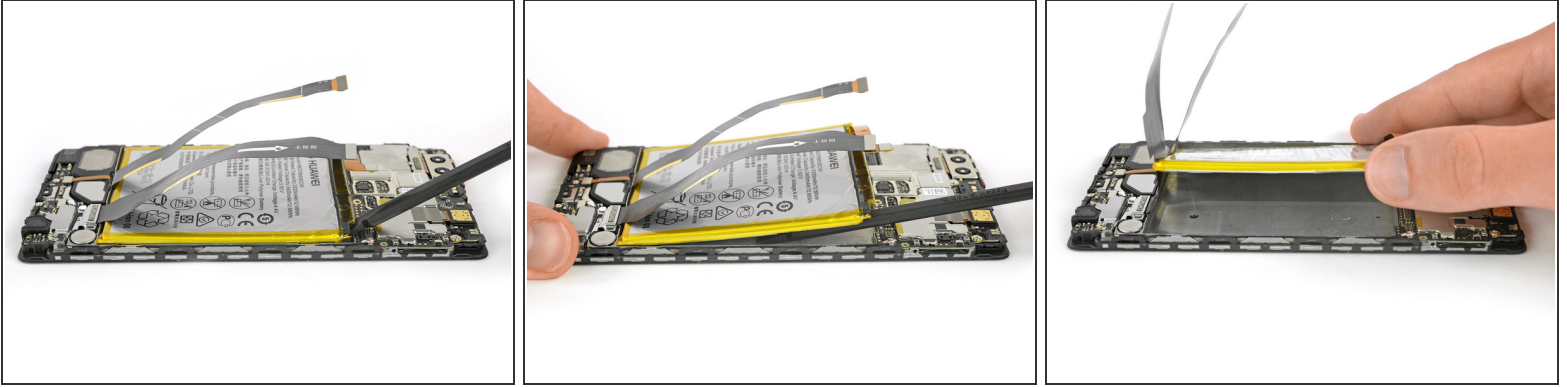
- Soften the adhesive strips under the battery with an iOpener. Both flaps of the strips are placed at the upper end of the battery.
- Pull the first adhesive strip in a slow and constant movement. If necessary use a tweezer to get a first grip.
- ⓘ The adhesive strips are less likely to rip if you pull them horizontally in a straight line and not upwards or in any other direction.

## Step 8



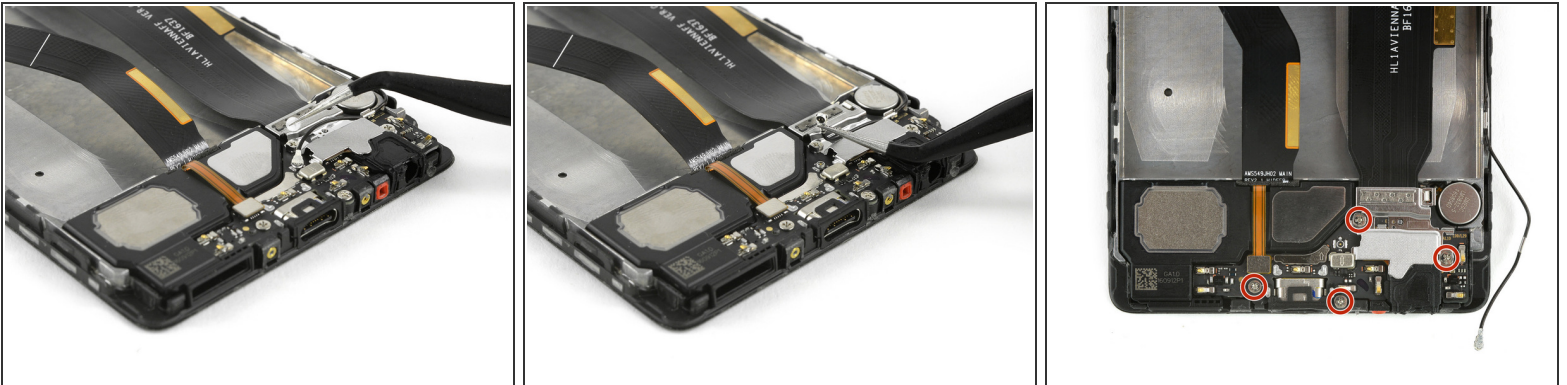
- Loosen the end of the other adhesive strip with a tweezer and pull it out. If needed use the iOpener again to soften the glue a little.

## Step 9



- Use a spudger to slide under the battery.
- ❗ If you managed to pull out the adhesive strips you can easily lift out the battery. Otherwise use the iOpener once more to soften any adhesive leftovers. There are no cables under the battery that can be harmed.
- Remove the battery.
- ☑ When reassembling apply new adhesive strips where necessary.

## Step 10 — Display



- Use a tweezer to remove the liquid contact indicator that sits on top of the screw next to the antenna cable.
- Unplug the antenna cable and release it from the bracket on the metal plate covering the main flex cable.
- Remove the four Phillips #000 screws.



## Step 11




- The plate, which is covering the motherboard flex cable, has little hooks on each side. Use a tweezer to free them and unhinge the plate by carefully moving it upwards.
- Use a spudger to unplug the motherboard flex cable and remove it.
- Unplug the flex connector of the loudspeaker.

## Step 12



- Use a spudger to unplug the flex connector of the headphone jack.
- Remove the headphone jack.

 Be careful with the contacts inside and in the bottom area of the headphone jack. They can be damaged easily.

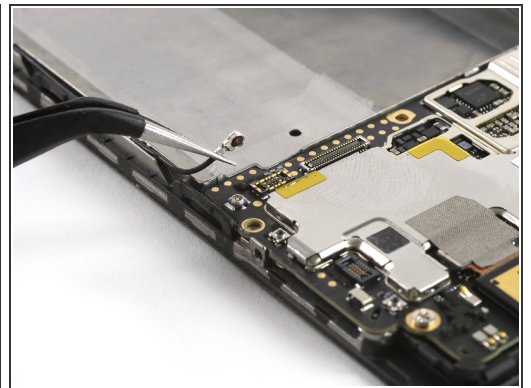
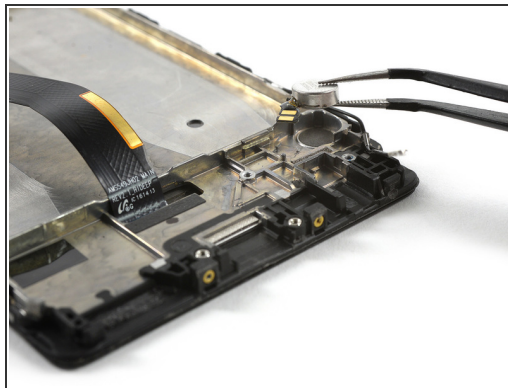
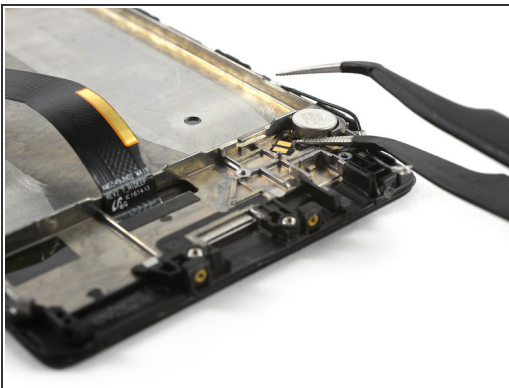


## Step 13



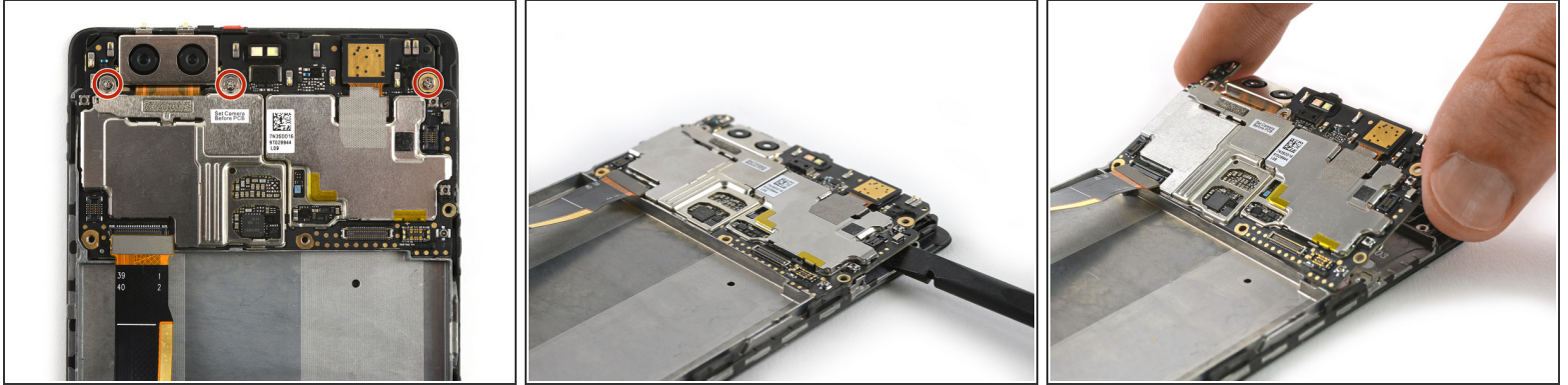
- Use a spudger to lift out the daughter board.
- Lift the loudspeaker out of the mid frame. There is some adhesive underneath, so it can be a little bit sticky.

## Step 14 — Display with Frame



- Use a tweezer to loosen the vibration motor flex cable. Be careful since it is a little bit sticky.
- Remove the vibration motor.
- Use a tweezer to unplug the antenna cable and remove it.

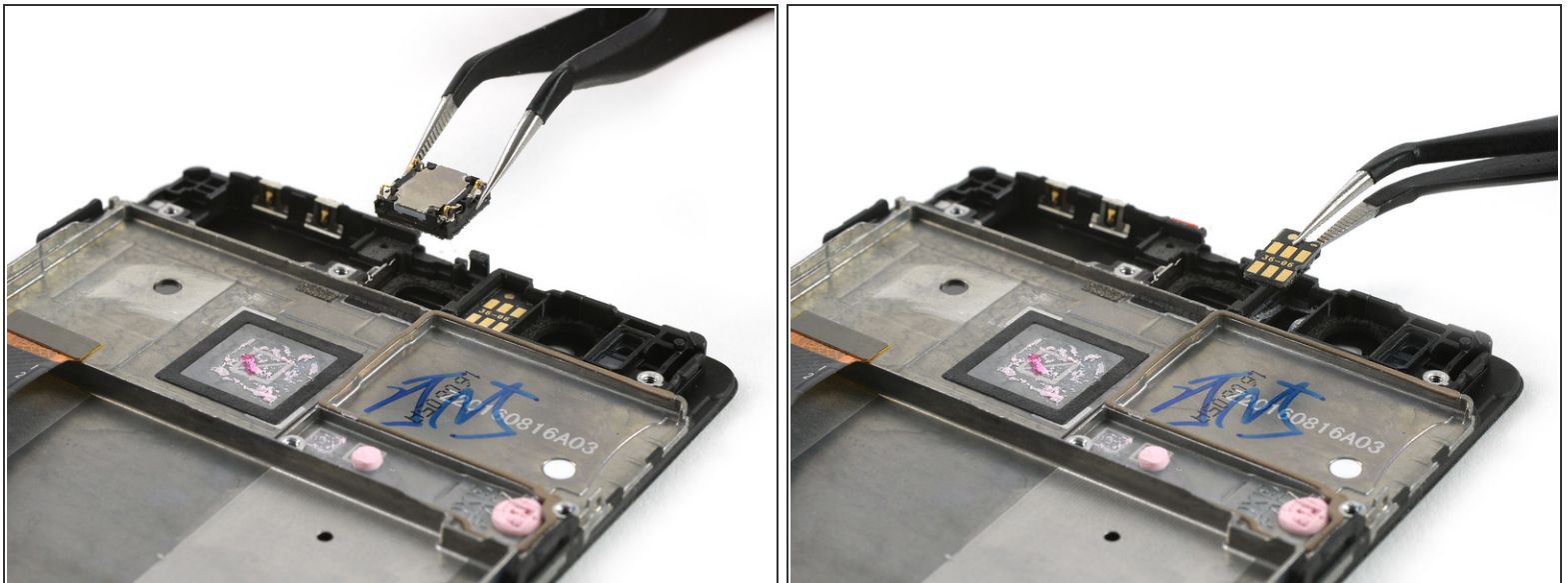
## Step 15



- Remove the three Phillips #000 screws.
- Use a spudger to lift up the motherboard and remove it.

⚠ The whole motherboard assembly can be removed as one including the front and rear camera. Mind both cameras since they are only connected to the motherboard with their flex connectors.

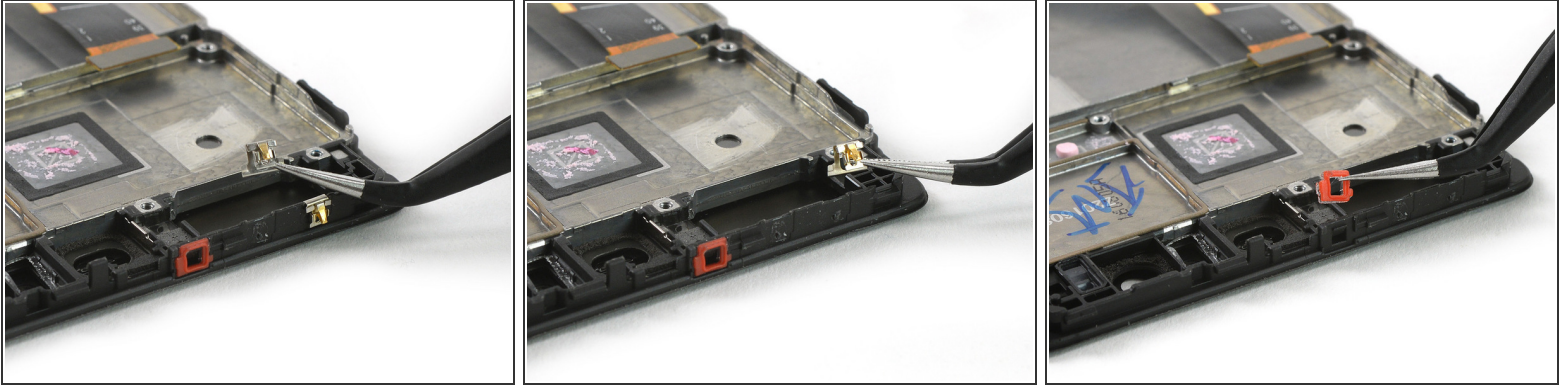
## Step 16



- Remove the earpiece speaker with a tweezer.
- ⚠ Take care of the metal connectors to not bend them.
- Carefully remove the proximity sensor from its recess.



## Step 17



- Use a tweezer to remove the two metal clamps of the rear camera.
- Remove the microphone rubber gasket.
- ☑ Before reassembly check your new part for any components that might need to be transferred from the old one.

To reassemble your device, follow these instructions in reverse order. Reapply adhesive where necessary after removing any residue.

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